

TSIS UPDATE
LTC Scott Tufts, PdM LTS
22 February 2012
32BDE 27/A27
TIE-DOWN
Visit the Live Training Community Portal at:
LT2Portal.org

Project Manager Training Devices

PM TRADE

VISION: Providing our Soldiers REALISTIC training environments and equipment to ensure they are the BEST TRAINED FORCE in the World._


Ft. Campbell


Ft. Drum

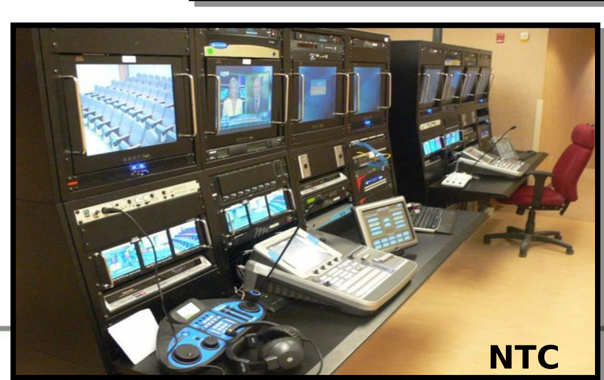

Camp Blanding, FL

Ft. Benning

MISSION: *Lead Life-Cycle* management of collective Live Training capabilities that are interoperable with Virtual and Constructive simulations for use at Homestations, Maneuver Combat Training Centers and deployed sites to improve Warfighter readiness in peace and war.




Afghanistan


NTC



Live Training Agenda

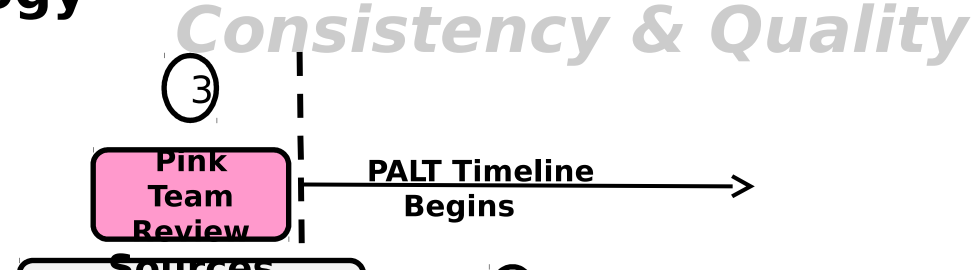


- Industry Business Dev. Planning Map
- Live Training Systems of Systems
- Business Opportunities



PM TRADE

Program Development Timeline Estimates and Information Release Terminology



1 Request For Information (RFI)

Market Research

- ✓ Initial Investigation of Industry Base Capability
- ✓ Limited Technical/ Business Case Information to Frame Investigation
- ✓ Phone Calls, Open House, Contractor Plant Visits, etc…

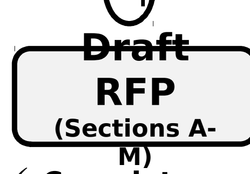
2 Sources Sought

- ✓ 1st Draft Technical Documentation for Industry Comment
- ✓ Draft Business Case Information
- ✓ Industry Exchange

3 Pink Team Review — Sources Sought (Requirements Package)

- ✓ Finalized Technical Documentation Specification, SOW, & CDRLS
- ✓ Sections B, L, M not Released
- ✓ Business Case Information

4 Draft RFP (Sections A-M)





- ✓ Complete Draft RFP
- ✓ Industry Day with 1-on-1s

5 Acq. Center SRB — Final RFP

6 Proposal Is Due

Market Research Phase – PM Office Managed			RFP Phase – Acquisition Center Managed
Open Discussions Information Protected	Open Discussions - Info Sharing Reflected In Req. Docs. Update w/Change Highlights	Open Discussions - Info Sharing Reflected In Draft RFP w/Change Highlights	All Questions in Writing thru Contracting POC - Responses Published to All Offerors

Due in … D~270 | D~180 | D~120 | D~90 | D~60/45 | D-0

Rough Planning Guide Proposal

Approximate Timelines Adjusted +/- Based on Program Complexity

Live Training





Business Opportunities



Organization	Program	Contract Vehicle	RFP Release	Award Date
PM CTIS	CTC-IS	STOC II	Nov. 11 Jan. 12 Mar. 12	June 12 Nov. 12 Dec. 12
PM CTIS	HITS EXCON	STOC II	May 11	Oct. 11 Jan. 12
PM CTIS	HITS ICS	Open (Tent.)	Jun. 12	Mar. 13 Dec. 12
PM DT	LOMAH	CARTS	Nov. 11	Mar. 12
PM DT	PDSS	CARTS	Oct. 12	Mar. 12
PM DT	N-CHS	CARTS	Feb. 12 Mar. 12	May 12 Jun 12
PM DT	CATSD	CARTS	Feb. 12 Jan. 13	May 12 Apr. 13
PM DT	BES II	Open	Nov. 11 Mar. 12	Apr. 12 Dec. 12
PM LTS	OSWV	TBD	TBD	Feb. 13** Feb 15**
PM LTS	IEDES	STOC II SB (Tent.)	Feb. 12 Mar. 12	Sep. 12

otest

****Revised date pending CPD approval -funding resolution**
CTC-IS – Combat Training Center – Instrumentation System
HITS EXCON - Home Station Instrumentation Training System EXCON
HITS ICS – Instrumentation Communication Subsystem
LOMAH – Location of Hit and Miss Range
PDSS – Post Deployment Software Support

Changes as of I/ITSEC 2011
Changes as of 17 Feb 2012

N-CHS - Non-Contact Hit Sensor Development
CATSD - Common Armor Target Silhouette Development
BES II – Battlefield Effects Simulator
CV TESS – Combat Vehicle TESS
OSWV - Opposing Force Surrogate Wheeled Vehicle
IEDES – Improvised Explosive Device Effects Simulator

Combat Training Center – Instrumentation System (CTC-IS)

PM TRADE

Description/Summary of Program Requirements

CTC-IS provides incremental upgrades to the CTC-IS infrastructure, voice, data, video, and Live Fire Network at NTC and JRTC, as well as life cycle technology refreshment of CTC-IS components to satisfy current and future force training requirements. Provides tools to establish high fidelity, cause and effect analysis of brigade and below collective training performance in full spectrum ops, in a variety of environments.



Acquisition Strategy

- STOC II Delivery Order
- Full Open Competition
- Cost Plus Fixed Fee (with FFP CLINS)

Period of Performance

- Base year Award with (5) one-year options

Milestones

Mar. 2012	Dec. 2012
RFP Release	Contract Award

Point of Contact

PD: Mr. Andrew Echols

Office: PM CTIS

Phone: 407-384-3860

Email: andrew.echols@us.army.mil

Contract Funding

- RDTE FY12-17: $32M
- OPA FY13-17: $274M

Current Contract/Original Developer/OEM

- Multiple contractors provide current CTC-IS capabilities. The LT2 FTS strategy provides a portal to share common solutions among all CTCs.

CTC-IS



	FY12	FY13	FY14	FY15	FY16	FY17	FY18
	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
Reviews		PDR; CDR; TRR	Opt 1 TRR NTC	Opt 2 TRR NTC	Opt 3 TRR JRTC	Opt 4 TRR JRTC	Opt 5 TRR NTC; Opt 5 TRR JRTC
Contracting		Contract Award; Award Opt 1	Award Opt 2	Award Opt 3	Award Opt 4	Award Opt 5	
Deliveries	JRMC / CPM / PDSS / IA	Initial RDT&E Effort; JRMC / CPM / PDSS / IA	CTC-IS -Option; CTC-IS Option 2; JRMC / CPM / PDSS / IA	CTC-IS Option 3; JRMC / CPM / PDSS / IA; JRMC / CPM / PDSS / IA	CTC-IS Option 4; JRMC / CPM / PDSS / IA	CTC-IS Option 5; JRMC / CPM / PDSS / IA	JRMC / CPM / PDSS / IA
Decision Points		MSC		NTC IOC		JRTC IOC	NTC and JRTC FOC
Test		RDT&E Demo Of NTC & JRTC CTC-V (Dismounts) and RDMS (Dismounts and Vehicles)	Opt 1 Accpt Test NTC	Opt 2 Accpt Test NTC	Opt 3 Accpt Test JRTC	Opt 4 Accpt Test JRTC	Opt 5 Accpt Test NTC; Opt 5 Accpt Test JRTC

Homestation Instrumentation Training System Instrumentation Communication Subsystem (HITS ICS)

PM TRADE

Description/Summary of Program Requirements

PEO STRI Project Manager for Training Devices (PM TRADE) has a requirement to procure up to nineteen (19) Homestation Instrumentation Training System Instrumentation Communication Subsystem (HITS ICS) at a fielding rate of one per quarter beginning in 4Q13 and ending in 4Q18. The HITS ICS provides the bidirectional interface between the HITS exercise control subsystem (EXCON) and the vehicles and soldiers equipped with U.S, Army Tactical Engagement Simulation Systems. This effort includes production and shipping of the network infrastructure and radio player units, individual and vehicle mounting kits, logistics data, spares, manuals, TESS and CTIA interface, New Equipment Training, system verification and validation, and technical support to the EXCON production vendor. OCONUS sites include Hawaii, Alaska, Germany, and Korea. PM TRADE will not fund any development under this effort.

Acquisition Strategy

- Full open Competition
- Firm Fixed Price

Period of Performance

- Base year award with 4 option years

Milestones

2Q12	2Q12	3Q12	1Q13
RFI	Sources Sought	RFP	Contract Award

Point of Contact

Name: Mr. Mike Chura

Organization: PEO STRI / PM TRADE

Phone: (407) 384-5280

Email: michael.chura@us.army.mil

Funding

- OPA FY 13 – 18: $157.8 Million

Current Contract/Original Developer/OEM (if recompete)

- Current contract is Interim Range System (IRS) by Saab Training USA
- Intent is 2-4 sites with IRS – total requirement is 19 sites.

Location of Hit and Miss (LOMAH) Range

PM TRADE

Description/Summary of Program Requirements

LOMAH is a computer controlled target system that provides immediate feedback of each shot fired by each individual shooter on a computerized display at the individual's position and the centralized tower computer system. This replaces the old 'human method" of individual marking and scoring of Known Distance Live Fire Exercises. This contract procures materials and installation of LOMAH Range Devices/Components. The Range Devices/Components shall be compliant to the FASIT Performance Specifications.

Requirements/Capabilities:

- Stationary Infantry Targets (SITs)
- LOMAH Bars (Engagement Scoring Device)
- Student Stations
- Shot Sensors
- Silhouettes



Acquisition Strategy

CARTS IDIQ; LOT I

- **Competitive**
- **Single award**

Period of Performance

FY12-13

Milestones

22 Nov. 2011	~~Mar. 2012~~ Jan. 2012
RFP Release	Award

Point of Contact

Name: Ms Randi Kahl
Organization: PM DT
Phone: 407-384-5194
Email: randi.kahl@us.army.mil

Funding

- FY12-13 funding (OPA) ~ $4M

Current Contract/Original Developer/OEM (if recompete)

N/A

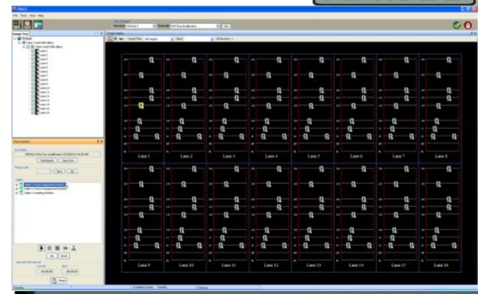
Target Modernization and Post Deployment Software Support (PDSS)

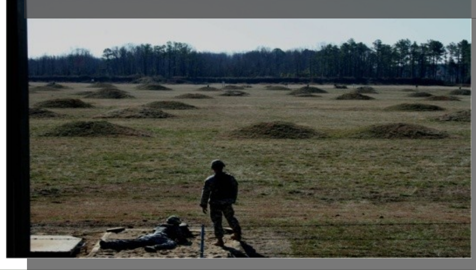
Description/Summary of Program Requirements

The Target Modernization effort will provide the sustainment and support for the Government owned common target control system (Targetry Range Automated Control and Recording (TRACR)); integration of legacy target system adapters and new target system technologies; upgrade to existing range facilities; support for new interface control documents and technology demonstrations; and sustainment of the Future Army System of Integrated Targets (FASIT) specification and standards

TRACR/FASIT is located at 31 installations; 85 small arms and 32 maneuver ranges. There are approx. 20+ range upgrades in progress

Awarded





Acquisition Strategy

- CARTS IDIQ; LOT II
- Competitive
- Single award

Period of Performance

- ~~Base period: Sep 2011 to Aug 2015~~
- Base Year, plus (4) one-year options
- Base Year plus (3) one-year options

Milestones

Feb. 2011	Oct. 2012	~~Mar. 2012~~ 10 Jan 2012
Market Research	RFP Release	Contract Award

Point of Contact

Name: Mr. James Todd
Organization: PM DT
Phone: 407-384-3905
Email: james.todd3@us.army.mil

Funding

- ~$800K OPA/RDT&E Base Year
- ~$3.6M OPA/RDT&E Option Years

Current Contract/Original Developer/OEM

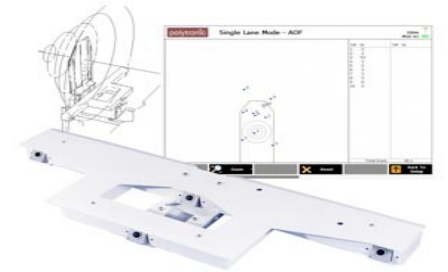
- LT2 Support Contract - Riptide
- CPM ID/IQ DO#04 – GDC4S

Target Modernization Non-Contact Hit Sensor Development

Description/Summary of Program Requirements

The Non-Contact Hit Sensor will be designed and developed to track the location of miss and hit for both supersonic and subsonic munitions on live fire training ranges. Current small arms technology only supports supersonic munitions. The ability to detect subsonic rounds will lead to greater training fidelity in the realm of armored gunnery training as well as live fire exercises utilizing counter defilade and air-burst weapons, such as the MK-19 and M203. Portability, scalability, and stand-alone operations are key factors.





Acquisition Strategy

- CARTS IDIQ; LOT II
- Competitive
- Single award
- Three distinct phases: Technology study, Bread-board integration and Final prototype

Period of Performance

- ~~Sep 2011 to Mar 2013~~
- ~~May 2012 to Sep 2013~~
- June 2012 to September 2013

Milestones

Market Research	RFP Release	Contract Award
Jan. 2011	~~Feb. 2012~~ Mar. 2012	~~May 2012~~ Jun 2012

Point of Contact

Name: Mr. James Todd
Organization: PM DT
Phone: 407-384-3905
Email: james.todd3@us.army.mil

Funding

- ~$100K RDT&E Phase I
- ~$500K RDT&E Phase II
- ~$400K RDT&E Phase III

Current Contract/Original Developer/OEM

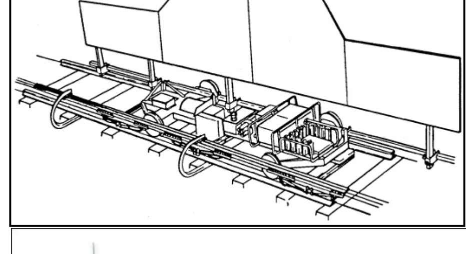
N/A

Target Modernization Common Armor Target Silhouette Development

PM TRADE

Description/Summary of Program Requirements

The Common Armor Target Silhouette will be designed and developed to create a standard armor silhouettes usable on all live fire training ranges, allow for the creation of a National Stock Number to support ordering and resupply, and reduce the overall weight of the armor silhouette. The aim will focus of the manufacturing, replication, recycling, durability, and ability to support current Combat Identification (CID) technologies. This effort will develop only a limited number of target silhouettes; if the concept/technologies prove viable, additional silhouettes will be developed. All silhouettes parameters are defined within TC 25-8. This effort is being delayed to support a detailed Cost Benefit Analysis in conjunction with PM ITTS to validate/quantify the life cycle cost avoidances to be realized via the change in silhouette materials.





Acquisition Strategy

- CARTS IDIQ; LOT III or Alt Contract Veh
- Competitive
- Single award
- Two phases: Definition and Prototype
- Options to define/build all TC 25-8 armor silhouette types

Period of Performance

- ~~15 Month Award~~
- 9 Month Award (Core Silhouettes)
- 15 Month Options (Additional Silhouette)

Milestones

Aug. 2011	~~Feb. 2012~~ Jan. 2013	~~May 2012~~ Apr 2013
Market Research	RFP Release	Contract Award

Point of Contact

Name: Mr. James Todd
Organization: PM DT
Phone: 407-384-3905
Email: james.todd3@us.army.mil

Funding

- ~$100K RDT&E Phase I
- ~$300K RDT&E Phase II
- ~$1,500 RDT&E Options

Current Contract/Original Developer/OEM

N/A

Battlefield Effects Simulator (BES) II

PM TRADE

Description/Summary of Program Requirements

BES II will produce a flash/bang and smoke signature, which simulates/replicates a large caliber weapon fire of a hostile threat.

BES II will simulate/replicate an impact round on an armor target using M34 (LA54) (Hostile Fire) Cartridges and M35 (LA53) (Target Hit) Cartridges.

It is anticipated that the Government will require delivery of up to 1200 or more BES launcher systems with associated equipment, initial spares, New Equipment Training (NET), and installation support for Fiscal Years 2012-2017 at various Army Installations world-wide.



Acquisition Strategy

- Outside of STOC II
- Competitive
- Single IDIQ Award

Period of Performance

- Base period: Dec 2012 to Nov 2017
- Five (5) years with a Three (3) year base period and two options for one year each

Milestones

~~Aug. 2011~~ 20 Sep	~~Nov. 2011~~ NLT Mar. 2012	~~Apr. 2012~~ DEC 2012
Industry Day	RFP Release	Contract Award

Point of Contact

Name: Ms Randi Kahl
Organization: PM DT
Phone: 407-384-5194
Email: randi.kahl@us.army.mil

Funding

- Total funding (OPA) ~ $35 M

Current Contract/Original Developer/OEM (if recompete)

- N61339-05-D-0019/Allied Tech LLC
- Solicitation W900KK-11-R-0008



Combat Vehicle TESS (CV TESS)



Description/Summary of Program Requirements

I-MILES Combat Vehicle Tactical Engagement Simulation Systems (CVTESS) provides live training devices for armored vehicles with fire control systems consisting of the Bradley Fighting Vehicle and Abrams Tank. CVTESS is an upgrade from legacy combat vehicle devices, providing better training fidelity for force-on-force operations. It interfaces with training instrumentation systems providing casualty and battlefield damage assessments for After Action Reviews (AAR).

Awarded





Acquisition Strategy

- Competitive STOC II Award
- Firm Fixed Price
- T & M Quantity Pricing
- Base Award w/ Option Lots

Period of Performance

- Base period plus any 4 options (FY 12 – FY 16)

Milestones

Jan. 2011 — RFP Release

Jan. 2012 — Contract Award



Point of Contact

Name: Mr. Mike Bergman

Organization: PEO STRI/PM TRADE

Phone: (407) 384-5222

Email: Michael.Bergman@us.army.mil

Funding

- Possible funding: $100M

Current Contract/Original Developer/OEM (if recompete)

- Current Contract Type: STOC II
- Contractor: EFO Lockheed Martin GT&L

Opposing Force Surrogate Wheeled Vehicle (OSWV)



Description/Summary of Program Requirements

PM TRADE

Opposing Force Surrogate Wheeled Vehicles (OSWV)

- Upgrade US Army Combat Training Center Opposing Force Vehicles (Tactical, Technical, & COB Vehicles).
- Develop and Integrate Visual Modifications (VISMODS) on existing tactical vehicles; HMMWV ~ 69, APC ~ 123 (Vehicle Type TBD).
- Technical Vehicles (Pick-Up Trucks w/mounted weapons).
- Civilian On Battlefield Vehicles (COB-V): 450 used cars and trucks.
- Integrated with I-MILES and interfaces with training instrumentation systems providing casualty and battle damage assessments and critical data for AARs.

Program moved to the right 2 years



Acquisition Strategy

- Acq. Strategy TBD - Capability Production Document in Development
- Market Research to be conducted in early to mid FY12

Period of Performance

- TBD

Milestones

June 2013	Pending Req Doc Approval	Feb. 2015
RFI	RFP Release	Contract Award

Point of Contact

Name: LTC Scott Tufts

Organization: PM LTS

Phone: 407-384-5190

Email: scott.tufts@us.army.mil

Funding

- ~~~$30M OPA on contract over FY13- FY16 (does not include MILES acquisition)~~
- $48M OPA over FY15 – FY20

Current Contract/Original Developer/OEM (if recompete)

- TBD

Improvised Explosive Device Effects Simulator (IEDES)

Description/Summary of Program Requirements

The Improvised Explosive Device Effects Simulator (IEDES) kit is a TADSS that will assist the Army in training the joint and individual service on operational support tasks, conditions, and standards needed to achieve U.S. Military IED objectives. The IEDES is configured to simulate a Small, Medium, Large, and Extra Large explosive signature. The IEDES is designed to train key tasks of Explosive Hazards (EHs) defeat, to predict, prevent, detect, classify, neutralize, mark, report and record EH; and to protect personnel, equipment and facilities from EH effects.

- Trains key tasks of Explosive Hazards (EHs) defeat, in support of Full Spectrum Operations (FSO) and conflicts, to include Homeland Security and Homeland Defense.
- Provides an overarching Joint Training Capability at all Joint Training Facilities, Home stations, Combat Training Centers and Power-Projection Platforms DOD wide.

Acquisition Strategy

- Competitive STOC II Award
- Small Business (Tentative)
- Firm Fixed Price
- T & M Quantity Pricing
- Base Award w/ Option Lots

Period of Performance

- Base period plus any 4 options (FY12 – FY17)

Milestones

Dec. 2011

Sources Sought

~~Feb. 2012~~ Mar. 2012
Draft RFP

Sep. 2012

Contract Award

Point of Contact

Name: Mr. Ron Inmon

Organization: PEO STRI/PM LTS

Phone: (407) 384-3364

Email: Ron.Inmon@us.army.mil

Funding

- Possible fundi~~ng: $~~49 M- $18M

Current Contract/Original Developer/OEM (if recompete)

- Current Contract Type: STOC II



LIVE TRAINING COMMUNITY

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